G018VC SRC-193

USER MANUAL

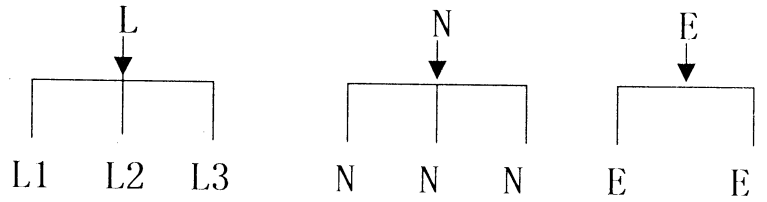
12ch DIGITAL MODULE DIMMER

Parameters:

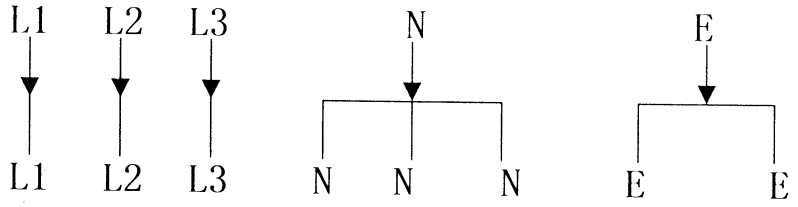
Power supply---------- Single phase AC 230V 50hz
3 phase AC 230V 50hz
Load----------Max: 12*10A/CH
DMX out----------3PIN female XLR socket
DMX in----------3PIN male XLR socket
Analogue inputs ----------DC 0~10V 15PIN D socket
Dimensions----------496mmX475mmX177mm
Weight----------27 kg

The power connections:

Single phase AC 230V 50hz:



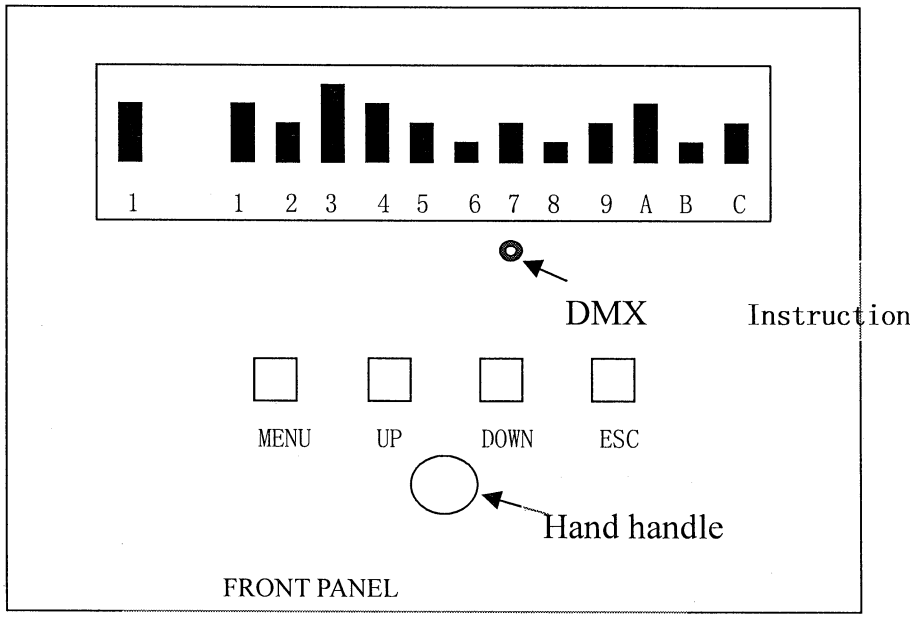
3-phase AC 230V 50hz:



Operating instructions:

1. start menu:

Upon powering the dimmer, the LCD displays the start menu after checking the alternate current automatically. In start menu, the first line displays dimming levels of each channel, the first one displays the current dimming level of channel which is changing presently; the second line displays the channel number, the first one displays the number of channel which is changing presently. The green indicator light above the circuit breaker stands for the intensity of the channel below.



Function menu:

2.1 First- function menu:

in start menu, press MENU button to enter the first- function menu, the LCD displays as following:

Dmx fail

Press UP/DOWN to scroll 6 functions in the menu: Dmx fail、Pha corr、Dmx addr、Preheating、Curve、Preset。

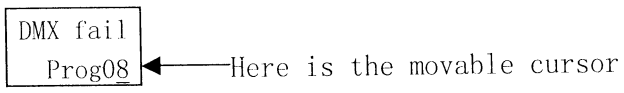
In the first- function menu, press ESC to exit the function menu, enter start menu.

In the first- function menu, press MENU to enter the second- function menu.

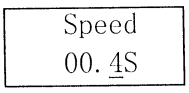
2.2 Second- function menu:

2.2.1 DMX FAIL menu

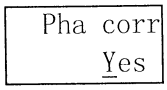
A. In DMX FAIL menu, press MENU to enter the second- function menu of DMX FAIL, it will display the present mode, if the machine is running built-in scene 8, LCD displays as following:



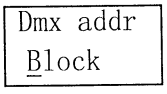
B. Press UP/DOWN to scroll: Hold/Analog/Prog01-12。
[Hold] : the dimmer will hold the last DMX signal received.
[Analog] : the dimmer will revert to the DC0-10V analog signal. When there is the DMX signal, analogue signal will underlie DMX signal
[Progxx] : during running the built-in scenes, if there is the DMX signal the DMX signal will precede the built-in scenes
The indicator light will flash if there is DMX signal.
C. after choosing Hold/Analog, press ESC/MENU to exit the second- function menu of DMX FAIL, enter the DMX FAIL.
D. If choose Progxx, Press MENU to exit second- function menu of DMX FAIL, enter the first- function menu; Press ESC to enter speed menu for running the built-in scenes, then press UP/DOWN to choose the desired speed, hold UP/DOWN more than two seconds to speed up scrolling。The speed ranges 00.1S-20.0S.



E. In speed menu, it is invalid to press MENU; Press ESC to exit the second- function menu of DMX FAIL, enter the first- function menu DMX FAIL.
2.2.2: PHA CORR Menu.
A. In the first- function menu of PHA CORR, press MENU button to enter the second- function menu, it displays the current phase correction; it displays as following if the current phase correction is YES.



B. Press UP/ DOWN to choose: Yes/No。
[No] : without phase correction
[Yes] : with phase correction
C. Press MENU/ ESC to exit Second- function menu of CORR PHA, enter the first- function menu of PHA CORR.
2.2.3: DMX ADDR Menu
A. in the first- function menu of DMX ADDR, press MENU enter Second- function menu, it will display the current DMX addressing mode, if the addressing mode is Block, it will display as following:



B. Press UP/DOWN to scroll: Block/Single。
[Block] : set up receiving address for the first channel. The address for

other 11 consecutive channels will increase 1 one by one.
[Single] : set up address for single channel, it does not affect the other addresses.
C. In the second- function menu of DMX ADDR, press ESC to exit the Second- function menu, enter the first- function menu. Press MENU to enter the third- function menu.
C. 1. Set up Block for the third- function menu of DMX ADDR, it displays as following if the first channel address is 011

Start
[011]

Press UP/DOWN once, address will increase or decrease 1, then all channel address will be updated, except for the first channel, the addresses for all other channels will increase/decrease by 1 in turn based on the first channel address. Hold UP/DOWN more than two seconds, the address will increase/decrease rapidly. The channel address ranges 001-512.
Press ESC to exit the third- function menu of DMX ADDR, enter the Block mode at second- function menu of DMX ADDR. Invalid to Press MENU.
C. 2. Set up Single in the third- function menu of DMX ADDR. If the first channel address is 011, the movable cursor will be under the channel number, it displays as following illustration

Chan[1]
[011]

Press UP/DOWN once, channel number will increase/decrease by 1, The second line displays the channel address, hold UP/DOWN button more than two seconds, the channel number increases/decreases rapidly, the second line will display the relevant channel address. Channel number ranges from Chan [1] to Chan [12].
Press MENU, the movable cursor moves to the bottom of channel address, press UP/ DOWN, the address increases or decreases by 1, but the other channel address remains the same, hold it more than two seconds, the address will increase or decrease rapidly. The channel address ranges 001~512. If the channel number is 3 and channel address is 023, then it displays as following:

Chan[3]
[023]

Then press MENU, the movable cursor switches between the channel number and channel address, press UP/ DOWN for the desired channel number or channel address.
Press ESC to exit the third- function menu of ADDR DMX ADDR, and enter the Single mode in the second- function of DMX ADDR menu.
2.2.4: PREHEAT menu
A. in the first- function of PREHEAT menu, Press MENU to enter the

second-function menu of PREHEAT, it displays the current setting method for PREHET, it displays as following illustration if current setting method is All.

```
Preheating
All
```

B. Press UP/DOWN to choose: All /Single。
[All] : based on preheating value of the first channel, set up preheating value for all channels, check it with Single.
[Single] : set up preheating for single channel, it doesn't affect the other channels.
C. In the second- function menu of PREHEAT, press ESC to exit second-function, and enter the first- function menu of PREHEAT。Press MENU to enter third- function menu of PREHEAT.
C.1. Setup ALL in the third- function menu of PREHEAT, if preheating value of the first channel is 20%, then LCD will display as following:

```
All
[020%]
```

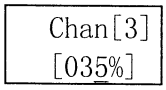
Press the UP/ DOWN once, preheating value increases/decreases by 1%, all preheating value will be kept the same as the first channel's value, hold UP/DOWN more than two seconds, all preheating values will increase/decrease rapidly, all preheating values range 000% -050%.
Press ESC to exit the third- function menu of PREHEAT, enter All mode in Second- function menu of PREHEATNG。It is invalid to Press MENU.
C.2 Setup Single in the third- function menu of PREHEAT。If preheating value of the first channel is 23%, the movable cursor will be under the channel number, it displays as following illustration:

```
Chan [1]
[023%]
```

Press UP/DOWN, The channel number increases/ decreases 1, the second line displays channel number, hold UP/DOWN more than two seconds, the channel number increases/ decreases 1 rapidly, and the preheating value on the second line varies accordingly, the channel number circulates from Chan[1] to Chan[12].

Press MENU button, the movable cursor transfers to the bottom of preheating value, then press the UP/ DOWN once to increase/decrease the preheating value by 1%, the preheating value of other channel remains the same as previous, hold UP/DOWN more than two seconds, preheating value increases/ decreases rapidly. The preheating value ranges between 000% to 050%. If channel number is 3, the preheating value of channel is 35%,

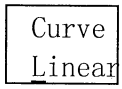
it displays as following:



Then press MENU, the movable cursor switches between the channel number and preheating value, press UP/DOWN to change relevant value.
Press ESC to exit the third- function menu of PREHEAT, enter the Single mode in second- function menu of PREHEAT.

2.2.5: CURVE Menu

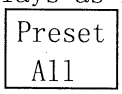
A. In the first- function menu of CURVE, press MENU button to enter the second- function menu of CURVE, it displays the present dimmer curve, if the dimmer curve is LINEAR, it will displays as following:



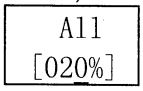
B. Press once UP/DOWN to choose: Linear/Switch/Square。
[Linear] : Lining dimming.
[Switch] : Switch dimming, 0% output for 50% or even lower, 100% output for 50% to 100%.
[Square]: Square dimming。
C. Press MENU/ESC to exit the second function menu of CURVE, enter the first- function.

2.2.6: PRESET Menu

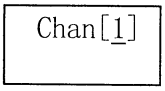
A. in the first- function menu of PRESET, press MENU button to enter the second- function menu, it will display the present channel mode if the channel mode is ALL, it displays as following:



B. Press UP/DOWN to scroll: All /Single。
[All]: set presetting value for all channels,
[Single] : Set presetting vale for single channel.
C. In the second- function menu of PRESET, press ESC to exit; Press MENU to enter the third- function menu.
C. 1. Setup ALL in the third- function menu of PRESET, if the presetting value of the first channel is 20%, it will display as following:



Press the UP/ DOWN once, the presetting value increases/decreases by 1%, and all presetting values become the same, hold UP/DOWN for two seconds, the value increases/decreases rapidly, the value ranges between 000%~100%. Press ESC to exit. Invalid to press MENU button.
C. 2. Setup "Single" in the third menu of PRESET, the first channel is 23%, the cursor will move to the bottom of the channel number.



[023%]

Press the UP/ DOWN once, the channel number increases/decreases by 1, the second line displays the presetting value of that channel, hold UP/DOWN for 2 seconds, the channel number increases/decreases rapidly, the presetting value changes accordingly, the channel number ranges Chan [1] to Chan [12]

Press MENU, the cursor moves to the presetting value, then press UP/DOWN once to increase / decrease the presetting value by 1%, the value of the other channels remain the same, hold UP/DOWN for 2 seconds, the presetting value increases/ decreases rapidly, the presetting value ranges between 00% to 100%, if the channel number is 3 and the presetting value is 35%, it will display as following:

Chan[3]
[035%]

Then press MENU button, the cursor will switch between channel number and presetting value, press UP/DOWN for desired value.

Press ESC to exit the third- function menu of PRESET, and enter Single mode of the second- function menu of PRESET.

2.3. After entering the function menu, if don' t press function button in 20 seconds, the machine will exit the function menu and enter start menu.

3. M/S Controls

Keep the same setting for each controller and connect them with 3PIN XLR cable, then they can work synchronically under DMX M/S control.

Warning

1. This apparatus must be earthed. ⏚

2. Do not expose this machine to rain or moisture to avoid electronic shock.

3. The instruction for built-in scenes: (from the following illustration, each binary digital mean one step, 1 means intensity 100% and 0 means intensity 0%, each program runs circularly.)

PROG01: 011111111111、101111111111、110111111111、111011111111、
111101111111、111110111111、111111011111、111111101111、
111111110111、111111111011、111111111101、111111111110

PROG02: 111111111110、111111111101、111111111011、111111110111、
111111101111、111111011111、111110111111、111101111111、

111011111111、110111111111、101111111111、011111111111

PROG03：011111111110、101111111101、110111111011、111011110111、111101101111、
111110011111、111101101111、111011110111、110111111011、101111111101

PROG04：000000000001、000000000010、000000000100、000000001000、
000000010000、000000100000、000001000000、000010000000、
000100000000、001000000000、010000000000、100000000000、
000000000000.

PROG05：100000000001、010000000010、001000000100、000100001000、
000010010000、000001100000、000010010000、000100001000、
001000000100、010000000010、

PROG06：011111111111、001111111111、000111111111、000011111111、
000001111111、000000111111、000000011111、000000001111、
000000000111、000000000011、000000000001、000000000000、
111111111111

PROG07：000000000000、100000000000、110000000000、111000000000、
111100000000、111110000000、111111000000、111111100000、
111111110000、111111111000、111111111100、111111111110、
111111111111

PROG08：111111111110、111111111100、111111111000、111111110000、
111111100000、111111000000、111110000000、111100000000、
111000000000、110000000000、100000000000、000000000000、
111111111111

PROG09：011111111110、001111111100、000111111000、000011110000、
000001100000、000000000000、000001100000、000011110000、
000111111000、001111111100、011111111110、111111111111

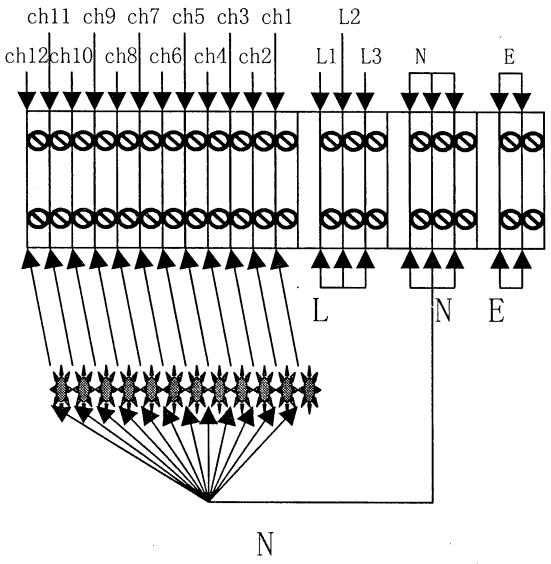
PROG10：111111111110、111111111100、111111111000、111111110000、
111111100000、111111000000、111110000000、111100000000、
111000000000、110000000000、100000000000、000000000000、
100000000000、110000000000、111000000000、111100000000、
111110000000、111111000000、111111100000、111111110000、
111111111000、111111111100、111111111110、111111111111

PROG11：111111111100、111111110011、111111001111、111100111111、
110011111111、001111111111、111111111111

PROG12：111110011111、111101101111、111011110111、110111111011、
101111111101、011111111110、111111111111

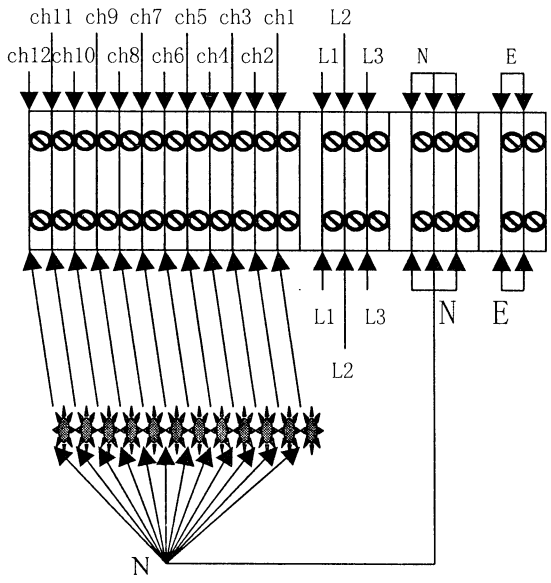
2. connect the line diagram:

Single phase AC 230V 50hz:



Load MAX: 10A/CH

3-phase AC 230V 50hz:



Load MAX: 10A/CH

4. The back connects the line diagram: